Utah Division of Air Quality
New Source Review Section

Company_____
Site/Source_____
Date_____

Form 2
Process Information

Process Data	
1. Name of process:	2. End product of this process:
3. Primary process equipment:_____ Make or model:_____ Capacity of equipment (lbs/hr): Rated _____ Max._____ (Add additional sheets as needed)	Manufacturer:_____ Identification #: _____ Year installed:_____
4. Method of exhaust ventilation: ? Stack ? Window fan ? Roof vent ? Other, describe _____ Are there multiple exhausts: ? Yes ? No	
Operating Data	
5. Maximum operating schedule:_____hrs/day _____days/week _____weeks/year	6. Percent annual production by quarter: Winter _____ Spring _____ Summer _____ Fall _____
7. Hourly production rates (lbs.): Average _____ Maximum _____	8. Maximum Annual production (indicate units) _____ Projected percent annual increase in production _____
9. Type of operation: ? Continuous ?? Batch ?? ? Intermittent	10. If batch, indicate minutes per cycle _____ Minutes between cycles _____

11. **Materials Used in Process**

Raw Materials	Principal Use	Amounts (Specify Units)

Process
Form 2 (Continued)

12. **Control Equipment** (attach additional pages if necessary)

Item	Primary Collector	Secondary Collector
a. Type		
b. Manufacturer		
c. Model		
d. Year installed		
e. Serial or ID#		
f. Pollutant controlled		
g. Controlled pollutant emission rate (if known)		
h. Pressure drop across control device		
i. Design efficiency		
j. Operating efficiency		

Stack Data
(attach additional pages if necessary)

13. Stack identification:

14. Height: Above roof _____ft.
Above ground _____ft.

15. Are other sources vented to this stack:
? Yes ? No

If yes, identify sources:

16. ? Round, top inside diameter dimension _____
? Rectangular, top inside dimensions
length _____ x width _____

17. Exit gas: Temperature _____ ^{o}F Volume _____ acfm Velocity _____ ft/min

18. Continuous monitoring equipment: ? yes ? no
If yes, indicate: Type _____, Manufacturer _____

Make or Model _____, Pollutant(s) monitored _____

Emissions Calculations (PTE)

19. Calculated emissions for this device
PM_{10} _____Lbs/hr_____ Tons/yr
NO_x _____Lbs/hr_____ Tons/yr
SO_x _____Lbs/hr_____ Tons/yr
VOC _____Lbs/hr_____ Tons/yr
HAPs_____Lbs/hr (speciate)_____Tons/yr (speciate)
Submit calculations as an appendix.

Note 1. **Submit this form in conjunction with Form 1.**

2. Call the Division of Air Quality (DAQ) at **(801) 536-4000** if you have problems or questions in filling out this form. speak with a New Source Review engineer. We will be glad to help!

Instructions

This is a general form regarding processes and should be completed by all sources.

Please answer all questions.
If the item does not apply to the source operation write Ana@.
If the answer is not known write "unknown".

1. Indicate the generally accepted name for the process (i.e., asphalt batching, glass manufacturing, oil refining, etc.).
2. Specify the end product of this process (i.e., asphaltic concrete, benzene, soaps, etc.).
3. Indicate the specific process equipment for this form along with the manufacturer, model number, identifying name or code year it or will be installed, and rated (normal) and maximum capacity of equipment.
4. Indicate the method of exhaust ventilation and indicate if there are more than one exhausts.
5. Complete the process equipment's normal operating schedule in hours per day, days per week, and weeks per year.
6. Complete the percent annual production by season for a years production of finished units. The four seasons should total to 10
7. Specify the average and maximum hourly production rates in pounds. The average is the year's production rate divided by the yearly hours of production or operation.
8. Specify the annual production for this process equipment and indicate the appropriate units. Estimate the annual increas production.
9. Check whether the process is continuous, intermittent, or batch. A batch operation normally has significant down time betw completion and startup of each operation or cycle.
10. If batch, complete the minutes per production cycle and minutes between the production cycles. A "cycle" refers to the time equipment is in operation.
11. List all general types of raw materials employed in the process, indicate the principle use (i.e., product, binder, catalyst, fuel, and specify the normal amount used in pounds per hours, tons per year, etc.
12. If your control device is not listed below complete items a through j. If your process includes any of the control devices listed be please indicate which ones and submit the associated forms with your application. The primary collector and secondary colle refer to separate control devices or equipment for collecting similar or different air pollutants. If there is a third collector, complete same data for that collector on a separate sheet. Addition information may be attached.

    Complete the proper form listed below for any air pollution control device:

    ___ Form 3 Afterburners
    ___ Form 4 Flares
    ___ Form 5 Adsorption Unit
    ___ Form 6 Cyclone
    ___ Form 7 Condenser
    ___ Form 8 Electrostatic Precipitators
    ___ Form 9 Scrubber
    ___ Form 10 Fabric Filter (Baghouse)

13. Indicate the company's identification for the stack or exhaust.
14. Specify the stack's or exhaust's height, in feet (ft.) above ground and above the attached roof.
15. Indicate if other sources are also vented to this same stack or exhaust and identify those sources.
16. Specify the inside dimensions of the stack or exhaust at the outlet to the atmosphere.
17. Complete the specifications of the stack's or exhaust's exit gas. (Temperature in degrees Fahrenheit, volume flow rate in ac cubic feet per minute, and velocity in feet per minute.) If the properties of the exit gas vary, use the average values.
18. Indicate if the stack or exhaust is equipped with air pollution monitoring equipment. If so, specify the type, manufacturer, mak model, and the pollutant or pollutants monitored.
19. Supply calculations for all criteria pollutants and HAPs. Use AP42 or Manufacturers data to complete your calculations.